Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_

**AP Biology: Unit 4, DBA #1 Review**

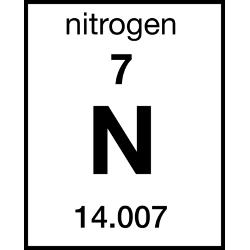
Ms. OK, 2014-2015

**Objectives Assessed:** Topic 1 (Atomic and Molecular Structure), Learning Targets A-C

***Practice Questions:*** *Answer the following questions thoroughly and accurately in preparation for your Daily Biology Assessment.*

1. Explain the differences between the following types of bonds: ionic, non-polar covalent, polar covalent, hydrogen.

2. Explain the difference between an ion and an isotope.

3. The image to the right shows nitrogen’s information from the periodic table of elements. Indicate the following values for nitrogen based on the image.

Atomic Mass:

Atomic Number:

Number of Protons:

Number of Neutrons:

Number of Electons:

4. What happens to the chemical bonds within compounds during a chemical reaction?

5. Identify the reactants and products of the chemical reaction shown below.

